

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 August 2004 (12.08.2004)

PCT

(10) International Publication Number
WO 2004/066961 A3

(51) International Patent Classification⁷: A61K 39/12,
C12Q 1/70

(21) International Application Number:
PCT/US2004/000635

(22) International Filing Date: 12 January 2004 (12.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/441,369 20 January 2003 (20.01.2003) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
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TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

(88) Date of publication of the international search report:
9 December 2004

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: USE OF SENDAI VIRUS AS A HUMAN PARAINFLUENZA VACCINE

(57) Abstract: Immunogenic compositions to protect against human parainfluenza (hPIV) virus infection are provided. The com-
positions comprise an unmodified Sendai virus that can be safely administered to human subjects, particularly young children, to
protect against symptoms and health risks associated with hPIV infection.

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INTERNATIONAL SEARCH REPORT

PCT/US04/00635

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 39/12; C12Q 1/70 US CL : 424/211.1; 435/5 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/211.1; 435/5 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	WANG et al. A Protease Activation Mutant, MCVES1, as a Safe and Potent Live Vaccine Derived from Currently Prevailing Sendai Virus, Journal of Virology, May 1994, Vol. 68, No. 5, Pages 3369-3373, especially abstract and page 3370-3371, bridging paragraph.	1-5		
A	MURPHY et al. Live-attenuated virus vaccines for respiratory syncytial and parainfluenza viruses: applications of reverse genetics, Journal of Clinical Investigation, July 2002, Vol. 110, No. 1, pages 21-27, entire document.	1-16		
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Further documents are listed in the continuation of Box C. </div> <div> <input type="checkbox"/> See patent family annex. </div> </div>				
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Date of the actual completion of the international search 24 August 2004 (24.08.2004)		Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em;">22 SEP 2004</div>		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Stacy B Chen Telephone No. 703-308-0196		

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/00635

Continuation of B. FIELDS SEARCHED Item 3:

EAST, CASONLINE, MEDLINE, BIOSIS, EMBASE, CAPLUS, SCISEARCH

search terms: hurwitz, slobod, portner, coleclough; sendai, human parainfluenza, hpiv, piv, immunization, vaccination, cross-protection, respiratory, t-cell response